

GCE AS Biology Summer assignment.

Unit Assignment Theme: Communicable Diseases

Student Name:

AS Unit. Biology

Duration: Summer Holiday onwards. Teacher(s): KJG/BSM

Assignment aim:

- **The means of transmission of communicable pathogens**
- **Non specific defences against pathogens**
- **Primary and secondary responses**

Tasks:

1. Choose from TB/HIV/Malaria/Athlete's foot
2. Describe the main symptoms and means of transmission. Also explain which type of pathogen it is (e.g. Bacteria/fungus/virus/protocista)
3. Explain the non- specific defences (e.g. skin/clotting/inflammation) against pathogens in animals
4. Explain primary and secondary immune response

Challenge

1. Describe the structure of an antibody
2. Research the process of phagocytosis

Remember you will need a folder and paper for September. You should also have the following:

- Scientific calculator
- Folder dividers
- Coloured Pens
- USB stick – so you can save resources that appear on the L drive